

2002
Virginia Department of Transportation
Daily Traffic Volume Estimates
Including Vehicle Classification Estimates
where available

Special Locality Report
132
City of Staunton

Prepared By
Virginia Department of Transportation
Mobility Management Division

In Cooperation With
U.S. Department of Transportation
Federal Highway Administration

Virginia Department of Transportation
Mobility Management Division
Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people at VDOT Mobility Management's Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a “Combined Traffic Estimates for Parallel Roadways on this Route” or “Combined Traffic” identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate “NA” for not available.

VDOT’s traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating “NA” for not available. It is the intention of the VDOT’s Mobility Management Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate “NA” for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

Peak Hour: The estimate of the traffic volume for the 30th highest traffic volume occurring in a one-year period divided by the AADT for the same one-year period.

QK: Quality of the Peak Hour estimate:

- A Factor based on 30th Highest Hour Observed During 12 Months of Continuous Traffic Data
- B Factor based on 30th Highest Hour Observed During Less than 12 Months of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of 30th Highest Hour
- N Peak Hour Factor of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the Peak Hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.





QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source





Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

North 	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
	US Route	
	Virginia State Route	
	Secondary Route	

Special Routes

Bus 	Bus - Business Route
	Bypas - Bypass Route
	Truck - Truck Route
ALT 	ALT - Alternate Route
	Wve - Wye Route connector
	P - Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
	The VDOT Maintenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

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City of Staunton

Route		Length	AADT	QA	4Tire	Bus	-----Truck-----				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year
							2Axle	3+Axle	1Trail	2Trail							
City of Staunton																	
11	Greenville Ave	0.68	18000	G	From:	SCL Staunton				F	0.084	F	0.519	19000	G	2002	
					To:												
11	Greenville Ave	0.50	16000	G	From:	SR 261 Statler Blvd				C	0.085	F	0.579	17000	G	2002	
					To:												
11	Greenville Ave	0.32	12000	G	From:	Hampton St				F	0.087	F	0.545	13000	G	2002	
					To:												
11	Commerce Rd	0.07	19000	G	From:	US 250 Richmond Rd				F	0.085	F	0.519	20000	G	2002	
					To:	US 250 Augusta St											
11	Commerce Rd	0.68	3100	G	From:	US 250, SR 254				C	0.1	F	0.558	3300	G	2002	
					To:												
11	Commerce Rd	0.15	3300	G	From:	SR 254				F	0.094	F	0.558	3500	G	2002	
					To:												
11	Commerce Rd	1.25	6600	G	From:	SR 261				F	0.093	F	0.524	6900	G	2002	
					To:												
11	Commerce Rd	0.67	5900	G	From:	Bells Lane				C	0.094	F	0.586	6200	G	2002	
					To:												
11	Commerce Rd	0.49	14000	G	From:	US 11 BUS				C	NA		14000	G	2002		
					To:												
11	Commerce Rd	0.88	15000	G	From:	SR 275				F	0.093	F	0.542	16000	G	2002	
					To:	NCL Staunton											
Bus 11	250 Johnson St	0.18	12000	G	From:	US 11, SR 254 NEW ST				F	0.078	F	0.564	13000	G	2002	
					To:												
Bus 11	250 New St	0.14	2400	G	From:	AUGUSTA ST				F	0.092	F		2500	G	2002	
					To:	JOHNSON ST											
Combined Traffic:			8900	G	98%	0%	1%	1%	0%	0%	F	NA		9300	G		
Bus 11	250 New St	0.36	890	G	From:	FREDERICK ST				C	0.108	F		930	G	2002	
					To:												
Combined Traffic:			4200	G	97%	0%	1%	1%	0%	0%	C	NA		4300	G		
Bus 11	Augusta St	0.41	8200	G	From:	CHURCHVILLE AVE				F	0.091	F	0.500	8500	G	2002	
					To:												
Bus 11	Augusta St	0.28	9500	G	From:	Edgewood Rd				F	0.084	F	0.51	9900	G	2002	
					To:												
Bus 11	Augusta St	1.14	8500	G	From:	Lambert St				C	0.090	F	0.576	8900	G	2002	
					To:												
Bus 11	Augusta St	0.71	7900	G	From:	Coalter St				F	0.099	F	0.503	8300	G	2002	
					To:												
250	Churchville Ave	1.23	10000	G	From:	WCL Staunton				C	0.089	F	0.554	11000	G	2002	
					To:												
250	Churchville Ave	0.99	11000	G	From:	Grubert Ave				F	0.088	F	0.605	12000	G	2002	
					To:												
250	Churchville Ave	0.32	11000	G	From:	Thornrose Ave				C	0.090	F	0.619	11000	G	2002	
					To:												
250	Augusta St	0.45	3300	G	From:	Augusta St				C	0.095	F	0.797	3400	G	2002	
					To:	Churchville Ave											
Combined Traffic:			4200	G	97%	0%	1%	1%	0%	0%	C	0.095	F	0.797	4300	G	
					From:	Beverly St											
					To:												

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Route	Length	AADT	QA	4Tire	Bus	Truck-----				QC	Peak Hour	QK	Dir Factor	AAWDT	QW	Year		
						2Axle	3+Axle	1Trail	2Trail									
City of Staunton																		
250	Augusta St	0.13	6400	G	From	Beverly St				F	0.079	F	0.586	6700	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	8900	G	98%	0%								1%	1%
250	Johnson St	0.18	12000	G	From	Johnson St Augusta St				F	0.078	F	0.564	13000	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	12000	G	97%	0%								1%	1%
250	11	Commerce Rd	0.07	19000	G	From	US 11, SR 254 New St				F	0.085	F	0.519	20000	G	2002	
						96%	1%	2%	1%	1%								0%
						Combined Traffic:	19000	G	96%	1%								2%
250	Richmond Rd	0.75	12000	G	From	US 11 GREENVILLE AVE				F	0.083	F	0.529	12000	G	2002		
					96%	0%	2%	1%	1%								0%	
					Combined Traffic:	12000	G	96%	0%								2%	1%
250	Richmond Rd	0.96	22000	G	From	Statler Blvd				F	0.083	F	0.518	23000	G	2002		
					96%	0%	2%	1%	1%								0%	
					Combined Traffic:	22000	G	96%	0%								2%	1%
250	Richmond Rd	0.44	27000	G	From	Frontier Rd				C	0.084	F	0.513	28000	G	2002		
					96%	0%	2%	1%	1%								0%	
					Combined Traffic:	27000	G	96%	0%								2%	1%
250	New St	0.36	890	G	From	ECL Staunton				C	0.108	F		930	G	2002		
					98%	0%	1%	1%	0%								0%	
					Combined Traffic:	4200	G	97%	0%								1%	1%
250	New St	0.14	2400	G	From	Frederick St				F	0.092	F		2500	G	2002		
					98%	0%	1%	1%	0%								0%	
					Combined Traffic:	8900	G	98%	0%								1%	1%
252	Middlebrook Rd	1.08	3800	G	From	Johnson St				C	0.111	F	0.527	3900	G	2002		
					95%	0%	3%	1%	1%								0%	
					Combined Traffic:	3800	G	95%	0%								3%	1%
252	Middlebrook Ave	0.60	4000	G	From	SCL Staunton				F	0.097	F	0.576	4100	G	2002		
					95%	0%	3%	1%	1%								0%	
					Combined Traffic:	4000	G	95%	0%								3%	1%
252	254	Beverly St	0.11	3700	G	From	Bridge St				F	0.096	F		3900	G	2002	
						97%	0%	1%	1%	0%								0%
						Combined Traffic:	10000	G	98%	0%								1%
254	Beverly St	0.82	8700	G	From	LEWIS ST				C	NA		8900	G	2002			
					97%	0%	1%	2%	0%							0%		
					Combined Traffic:	8700	G	97%	0%							1%	2%	0%
254	Beverly St	0.69	13000	G	From	WCL Staunton				F	0.081	F	0.615	13000	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	13000	G	97%	0%								1%	1%
254	Beverly St	0.25	8600	G	From	Grubert St				F	0.084	F	0.580	9000	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	8600	G	97%	0%								1%	1%
254	Beverly St	0.25	4000	G	From	Thornrose Ave				F	0.085	F		4200	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	4000	G	97%	0%								1%	1%
254	Beverly St	0.23	2000	G	From	Jefferson St				F	0.085	F		2000	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	4700	G	97%	0%								1%	0%
254	Beverly St	0.11	3700	G	From	SR 254 P				F	0.096	F		3900	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	10000	G	98%	0%								1%	0%
254	Beverly St	0.06	3700	N	From	Lewis St				N	0.096	N		3900	N	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	8100	N	97%	0%								1%	0%
254	Beverly St	0.16	1900	G	From	US 250				F	0.103	F		2000	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	6300	G	98%	0%								1%	0%
254	Coalter St	0.16	5300	G	From	New St				F	0.098	F	0.594	5500	G	2002		
					97%	0%	1%	1%	0%								0%	
					Combined Traffic:	5300	G	98%	0%								1%	0%

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						2Axle	3+Axle	1Trail	2Trail							
City of Staunton																
254 11 Commerce Rd	0.68	3100	G	From:	US 11 US 250 Commerce St					C	0.1	F	0.558	3300	G	2002
				To:												
254 New Hope Rd	2.45	1100	G	From:	US 11 Commerce Rd					C	0.117	F	0.705	1200	G	2002
				To:	ECL Staunton											
254 Frederick St	0.35	2700	G	From:	Jefferson St					C	0.101	F		2800	G	2002
				Combined Traffic:												
254 Frederick St	0.11	6700	G	To:	Central St					F	0.085	F		7000	G	2002
				Combined Traffic:												
254 Frederick St	0.24	4400	G	To:	US 250 P, New St					F	0.085	F		4600	G	2002
				Combined Traffic:												
261 Statler Blvd	0.84	9400	G	From:	Old Greenville Rd					C	0.094	F	0.569	9800	G	2002
				To:	Richmond Rd											
261 Statler Blvd	0.78	13000	G	From:						C	0.099	F	0.507	14000	G	2002
				To:	New Hope Rd											
261 Statler Blvd	0.14	15000	G	From:						F	0.09	F	0.525	15000	G	2002
				To:	Commerce Rd											
261 Statler Blvd	0.25	11000	G	From:						F	0.087	F	0.528	12000	G	2002
				To:	Beverly St											
261 Statler Blvd	0.20	10000	G	From:						F	0.086	F	0.546	11000	G	2002
				To:	Coalter St											
275	2.07	8600	G	From:	US 250					F	0.098	F	0.684	9000	G	2002
				To:	07-613 Spring Hill Rd											
275	1.74	11000	G	From:						C	0.099	F	0.697	11000	G	2002
				To:	US 11 Commerce Rd											
275 Woodrow Wilson Pkwy	1.34	13000	G	From:						F	0.092	F	0.579	13000	G	2002
				To:	ECL Staunton											
1 EnglwoodD Dr	0.34	3300	G	From:	Churchville Ave					C	0.108	F	0.529	3500	G	2002
				To:	Schutterlee Mill Rd											
4900 Hampton St	0.28	10000	G	From:	Middlebrook Ave					F	0.092	F	0.535	11000	G	2002
				To:	Greenville Ave											
4901 Barterbrook Rd	0.17	3200	G	From:	SCL Staunton					C	0.096	F	0.58	3300	G	2002
				To:	Greenville Ave											
4902 Buttermilk Spring Rd	1.00	700	G	From:	WCL Staunton					C	0.139	F	0.5	730	G	2002
				To:	Pierce St											
4902 Straith St	0.30	NA		From:							NA		NA			
				To:	SR 254											
4903 Coalter St	0.54	4600	G	From:	Frederick St					F	0.088	F	0.525	4800	G	2002
				To:	Edgewood Rd											
4903 Coalter St	1.31	5400	G	From:						C	0.099	F	0.524	5600	G	2002
				To:	Augusta St											

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							2Axle	3+Axle	1Trail	2Trail							
City of Staunton																	
4905	Lewis St	0.48	5000	G	From:	Beverly St					C	0.091	F	0.642	5200	G	2002
					To:	Churchville Ave											
4909	Bridge St	0.19	8700	G	From:	Middlebrook Ave					C	0.094	F	0.583	9100	G	2002
					To:	Stuart St											
4909	Green St	0.27	NA		From:	Bridge St					NA			NA			
				To:	SR 254; ISR 254-P Gap Terminus												
4913	N Central St	0.38	3700	G	From:	Beverly St					C	0.084	F	0.558	3800	G	2002
					To:	Churchville Ave											
4915	Thornrose Ave	0.31	1800	G	From:	Beverly St					C	0.101	F	0.551	1900	G	2002
					To:	Circle Ave											
4915	Thornrose Ave	0.42	4700	G	From:	Beverly St					F	0.088	F	0.537	4900	G	2002
					To:	Churchville Ave											
4919	Grubert Ave	0.99	6200	G	From:	Beverly St					C	0.089	F	0.503	6500	G	2002
					To:	Churchville Ave											
4921	Morris Mill Rd	0.88	3000	G	From:	WCL Staunton					C	0.099	F	0.576	3100	G	2002
					To:	Beverly St											
4925	Lambert St	0.44	7300	G	From:	Augusta St					C	0.09	F	0.615	7600	G	2002
					To:	Donaghe St											
4927	Spring Hill Rd	0.76	3500	G	From:	Churchville Ave					F	0.103	F	0.51	3600	G	2002
					To:	Donaghe St											
4927	Springhill Rd	1.45	2900	G	From:	Donaghe St					C	0.099	F	0.607	3000	G	2002
					To:	NCL Staunton											
4929	Mt View Dr	0.39	490	G	From:	Commerce Rd					C	0.106	F	0.685	510	G	2002
					To:	Coalter St											
4931	Schutterlee Mill Rd	0.95	2300	G	From:	Englewood Dr					C	0.095	F	0.552	2400	G	2002
					To:	NCL Staunton											
4932	Pierce St	0.20	1200	G	From:	Straith St					C	0.105	F	0.686	1300	G	2002
					To:	Hays Ave											
4933	Peck St	0.17	6700	G	From:	Montgomery Ave					F	0.094	F	0.512	7000	G	2002
					To:	Austin Ave											
4933	Hays Ave	0.36	NA		From:						NA			NA			
				To:	SR 254												
4935	Stuart St	0.57	6400	G	From:	Montgomery Ave					F	0.096	F	0.607	6700	G	2002
					To:	Bridge St											
4937	Johnson St	0.23	2500	G	From:	Jefferson St					C	0.09	F	0.594	2600	G	2002
					To:	Lewis St											
4937	Johnson St	0.11	11000	G	From:	Lewis St					F	0.082	F	0.617	11000	G	2002
					To:	Augusta St											
4938	Prospect St	0.53	1400	G	From:	Augusta St					C	0.096	F	0.507	1400	G	2002
					To:	N Coalter St											

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						2Axle	3+Axle	1Trail	2Trail							
City of Staunton																
(4940) Donaghe St	0.37	5200	G	From: Churchville Ave						F	0.099	F	0.595	5400	G	2002
				To: Lambert St												
(4940) Donaghe St	0.47	3700	G	From: 85%	2%	4%	9%	0%	0%	C	0.094	F	0.63	3900	G	2002
				To: Spring Hill Rd												
(4942) Old Greenville Ave	0.47	1300	G	From: SCL Staunton							0.111	F	0.505	1400	G	2002
				To: Greenville Ave												
(4944) Frontier Dr	1.00	7100	G	From: SCL Staunton						C	0.093	F	0.543	7400	G	2002
				To: Richmond Rd												
Archer St		1200	G	From: Tuxedo St							0.108	F		1300	G	2002
				To: Surrey Rd												
Berry St		90	G	From: Gypsy Ave							0.109	F		100	G	2002
				To: Parkview Ave												
Blue Ridge Dr		350	G	From: Red Bud Ln							0.113	F		360	G	2002
				To: East Beverly St												
Frasier Ln		160	G	From: Sproul Ln							0.127	F	0.5	170	G	2002
				To: College Circle												
Peyton St		530	G	From: West Beverly St							0.092	F	0.634	560	G	2002
				To: Second St												
Rockway St		80	G	From: Lambert St							0.161	F	0.6	80	G	2002
				To: Donaghe St												
Spruce Street		900	G	From: Lyle Avenue							0.114	F	0.512	900	G	2002
				To: Spring Hill Rd												
Taylor St		1600	G	From: US11 Augusta St							0.130	F	0.795	1700	G	2002
				To: Oak Ln College Cir.												